

10/589,008

10/589,008

SUBSTITUTE SPECIFICATION

IAP11 Rec'd PCT/PTO 10 AUG 2006

ELECTRO-HYDRAULIC UNIT, IN PARTICULAR FOR ANTI-LOCK DEVICES
FOR AUTOMOTIVE VEHICLE WHEELS

FIELD OF THE INVENTION

The present invention relates to an electro-hydraulic
5 unit, and more particularly to such a unit used in an anti-
lock device for the wheels of an automotive vehicle.

The electro-hydraulic units used in wheel anti-lock
systems are conventionally constituted by three separate
parts:

- 10 - an electric motor, which drives a pump,
- a hydraulic block, which comprises the pump and a
certain number of valves, pressure detectors, and
- an electronic control comprising among other things
an electronic card and winding each controlling a
15 valve. The assembly formed by one winding and its
valve is called an electrovalve.

BACKGROUND OF THE INVENTION

An example of a unit of this type is described in EP 0 645
875.

20 Among the conditions which must be satisfied by these
electro-hydraulic units, can be cited minimum size, sealing
against external moisture and the cost of production.

The present invention has principally for its object
to propose an electro-hydraulic unit whose size is
25 substantially less than known units of the prior art.

It is for example already known, from FR 2 710 699, to
position the electric motor and the electronic control in a
same and single housing. However, the housing thus made
has even greater size, because each portion is juxtaposed
30 or inserted in another but retains all the same assembly of
the usual components.

OK to enter
M.F.
1/4/08